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Application No. :

Filing Date :

First Named Inventor: Y. NAKAYA

Group Art Unit :

Examiner Name :

Attorney Docket No. : FUJI 20.846

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document	Kind Code if known <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

**FOREIGN DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>  (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

**Other Prior Art-Non Patent Literature Documents**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check her if English language translation attached
/AF/		Cheng et al. Adaptive Beamforming of ESPAR Antenna Based on Steepest Gradient Algorithm. IEICE TRANS. COMMUN., Vol.E84-B, No.6 July 2001	
Examiner Signature	/Aristocratis Fotakis/		Date Considered 03/15/2007

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/AF/		2002/0050948		TANAKA ET AL.	05-02-2002	
/AF/		6,492,942		KEZYS	12-10-2002	
/AF/		6,411,612		HALFORD ET AL.	06-25-2002	

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Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
/AF/		1 220 506	EP	KABUSHIKI KAISHA TOSHIBA	07-03-2002	

## **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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/AF/		European Search Report dated October 20, 2006	
/AF/		YE (GEOFFREY) LI. "Pilot-Symbol-Aided Channel Estimation for OFDM in Wireless Systems" Vehicular Technology Conference, May 16, 1999, vol. 2, pages 1131-1135, XP010342070.	
/AF/		JUN CHENG ET AL. "Adaptive Beamforming of ESPAR Antenna Using Sequential Perturbation" 2001 IEEE MTT-S International Microwave Symposium Digest, Vol. 1 of 3, May 2001, pages 133-136, XP001067250.	

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